



KANSAS CORPORATION COMMISSION 1062601  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6039  
Name: L. D. Drilling, Inc.  
Address 1: 7 SW 26TH AVE  
Address 2: \_\_\_\_\_  
City: GREAT BEND State: KS Zip: 67530 + 6525  
Contact Person: L. D. DAVIS  
Phone: ( 620 ) 793-3051  
CONTRACTOR: License # 33323  
Name: Petromark Drilling, LLC  
Wellsite Geologist: KIM SHOEMAKER  
Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SIOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
07/06/2011    07/13/2011    07/21/2011  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-135-25271-00-00  
Spot Description: \_\_\_\_\_  
W2 NW NE SE Sec. 35 Twp. 19 S. R. 25  East  West  
2310 Feet from  North /  South Line of Section  
1046 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Ness  
Lease Name: TANNER Well #: 1-35  
Field Name: NA  
Producing Formation: MISSISSIPPI  
Elevation: Ground: 2366 Kelly Bushing: 2364  
Total Depth: 4430 Plug Back Total Depth: 4420  
Amount of Surface Pipe Set and Cemented at: 911 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1669 Feet  
If Alternate II completion, cement circulated from: 1669  
feet depth to: 0 w/ 360 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 7000 ppm Fluid volume: 0 bbls  
Dewatering method used: Evaporated  
Location of fluid disposal if hauled offsite:  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Garris Date: 09/08/2011



1062601

Operator Name: L. D. Drilling, Inc. Lease Name: TANNER Well #: 1-35  
 Sec. 35 Twp. 19 S. R. 25  East  West County: Ness

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
		500 gal 20% NE FE HCL Acid	
		1000 gal 20% FE Acid	
		1500 gal 28% FE Acid	

TUBING RECORD: Size: <u>2.375</u> Set At: <u>4417</u> Packer At: <u> </u> Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>08/03/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain) <u>Going to Sell or Plug - Well not Good</u>
Estimated Production Per 24 Hours	Oil Bbbs. Gas Mcf Water Bbbs. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Solid <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) <u> </u>	PRODUCTION INTERVAL: <u> </u> <u> </u>
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	TANNER 1-35
Doc ID	1062601

Tops

ANHYDRITE	1639	+725
BASE ANHYDRITE	1679	+685
HEEBNER	3751	-1387
LANSING	3794	-1430
BASE KANSAS CITY	4154	-1790
MARMATON	4163	-1799
FORT SCOTT	4310	-1946
CHEROKEE	4337	-1973
MISSISSIPPI	4392	-2028
MISSISSIPPI DOL	4410	-2046

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	TANNER 1-35
Doc ID	1062601

Casing

SURFACE	12.25	8.625	24	911	A-CONN	200	3% CC, .25# CF
SURFACE - CONT	12.25	8.625	24	911	COMMON	150	2% Gel,3%C C,.25#CF
PRODUC TION	7.875	4.5	11.6	4421	60/40 POZMIX	205	
TOP STAGE	7.875	4.5	11.6	4421	A-CONN	360	



**BASIC**  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET  
1718 04380 A

35-195-25W

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB 7-7-11		DISTRICT Pratt, Kansas		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER L.D. Drilling, Incorporated				LEASE Tanner				WELL NO. 1-35	
ADDRESS				COUNTY Ness		STATE Kansas			
CITY				STATE		SERVICE CREW C. Messick, J. Wilson, M. Lawrence			
AUTHORIZED BY				JOB TYPE: C.A.W. - Surface					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	ARR TIME	
37,216	1						7-6-11	8:30	
						ARRIVED AT JOB	7-7-11	12:30	
						START OPERATION		4:10	
						FINISH OPERATION		5:10	
33,708-20,920	1					RELEASED	7-7-11	5:30	
19,832-21,010	1					MILES FROM STATION TO WELL		100	

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
P CP 101	A-Can Blend Cement	sf	200	\$	3,600.00
P CP 100	Common Cement	sf	150	\$	2,400.00
P CC 102	Cellflite	Lb	88	\$	325.60
P CC 109	Calcium Chloride	Lb	987	\$	1,036.35
P CC 200	Cement Gel	Lb	282	\$	70.50
P CF 105	Top Rubber Plug, 8 5/8"	ea	1	\$	225.00
P E 100	Pickup Mileage	mi	100	\$	425.00
P E 101	Heavy Equipment Mileage	mi	200	\$	1,400.00
P E 113	Bulk Delivery	tm	1,645	\$	2,632.00
P CE 201	Cement Pump: 50 Feet To 1,000 Feet	hrs	4	\$	1,200.00
P CE 240	Blending and Mixing Service	sf	350	\$	490.00
P CE 504	Plug Container	Tob	1	\$	250.00
P S003	Service Supervisor	hrs	8	\$	175.00

CHEMICAL / ACID DATA:			

SUB TOTAL		\$	11,241.27
SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
TOTAL			

SERVICE REPRESENTATIVE: [Signature] THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]  
(WELL OWNER/OPERATOR/CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer C.D. Drilling, Incorporated	Lease No. Tanner	Lease Tanner	Well # 1-35	Date 7-7-11
Field Order # 4380	Station Pratt, Kansas	Casing 8 7/8" 24lb	Depth 911 Feet	County Ness
Type Job C.N.W. - Surface	Formation	Legal Description 33-143-25W		

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME		
Casing Size 8 7/8" 24lb	Tubing Size 2 1/2"	Shots/Ft	200 sacks	A-CON with 38	Calcium Chloride, 25	RATE / PRESS	15 IP	cell flate
Depth 911 Feet	Depth	From	To	22lb Gal., 14.49 Gal.	15	2.47 CV.FT./St.	5 Min	
Volume 57 Bbl.	Volume	From	To	50 sacks common with 2% Gel,	Calcium Chloride, 25	10 Min	15 Min	cell flate
Max Press 350 PSI	Max Press	From	To	15 lb Gal., 6.13 Gal.	3%	1.34 CV.FT./St.		
Well Connection 1 1/2" Gal on Rammer	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth 816 Feet	Packer Depth	From	To	Flush 57 Bbl. Fresh Water	Gas Volume			Total Load

Customer Representative Jim Nichols	Station Manager David Scott	Treater Clarence R. Messick		
Service Units 37,216	33,708	20,920	19,832	21,010
Driver Names Messick	Melison	Lawrence		

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
12:30					Trucks on location and hold safety meeting.
2:35					Petromark Drilling start to run 22 Joints new 24lb/Ft. 8 7/8" casing.
4:00					Casing in well. Circulate for 5 minutes
4:11	250			5	start Fresh Water Pre-Flush.
	275		10	6	Start mixing 200 sacks A-con Blend cement.
	150		98	5	start mixing 150 sacks common cement.
	-0-		133		stop pumping. Shut in well. Release Top Rubber Plug. Open Well.
4:39	100			5	Start Fresh Water Displacement.
4:55	300		57		Plug Down. Shut in Well.
					Circulated 10 sacks cement to the pit.
					Wash up pump truck.
5:30					Job Complete.
					Thank You
					Clarence, Joe, Mike



**BASIC**  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET  
1718 04418 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <u>7-14-11</u> DISTRICT <u>KANSAS</u>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <u>L.O. Drilling Inc</u>		LEASE <u>Tanner</u> WELI. NO. <u>1-35</u>							
ADDRESS		COUNTY <u>Ness</u> STATE <u>Ks</u>							
CITY STATE		SERVICE CREW <u>Allen, Lucas, McGraw, McCasky</u>							
AUTHORIZED BY		JOB TYPE: <u>4 1/2" 2-Stage L.S.</u> <u>CNW</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>38445 P.H.</u>	<u>3</u>					<u>7-13-11</u>	<u>7-13-11</u>	<u>AM</u>	<u>4:30</u>
<u>27463 Pt</u>	<u>3</u>					<u>ARRIVED AT JOB</u>	<u>7-13-11</u>	<u>AM</u>	<u>10:00</u>
<u>19832-19862</u>	<u>1 1/2</u>					<u>START OPERATION</u>	<u>7-13-11</u>	<u>AM</u>	<u>3:30</u>
<u>19959-19860</u>	<u>3</u>					<u>FINISH OPERATION</u>	<u>7-13-11</u>	<u>AM</u>	<u>6:30</u>
						<u>RELEASED</u>	<u>7-13-11</u>	<u>AM</u>	<u>7:00</u>
						MILES FROM STATION TO WELL <u>100-miles</u>			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services L.P.

SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP103	60/40 Poz	SK	125		\$ 2100.00
CP101	A Cond Blend Cement	SK	350		\$ 6300.00
CP103	60/40 Poz	SK	70		\$ 360.00
CC102	cell FLAKE	lb	44		\$ 162.80
CC105	Defoamer Powder	lb	38		\$ 152.00
CC111	salt Fine	lb	1560		\$ 780.00
CC112	cement Friction Reducer	lb	114		\$ 624.00
CC201	Gilsonite	lb	878		\$ 588.26
CC102	cell Flake	lb	88		\$ 325.60
CC109	Calcium Chloride	lb	957		\$ 1036.25
CE400	Two Stage cement collar 4 1/2" Red	EA	1		\$ 4500.00
CE600	4 1/2" Latch down Plug Assembly	EA	1		\$ 720.00
CE1001	cementing shoe PKR Type 5 1/2" Red	EA	1		\$ 3200.00
CE1620	Turbolizer 4 1/2" Blue	EA	7	595	\$ 4165.00
CE1900	4 1/2" Basket Blue	EA	1		\$ 270.00

CHEMICAL / ACID DATA:			

SUB TOTAL		
DLS		
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE <u>Allen F. West</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>Jim Nichle</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO. \_\_\_\_\_



**BASIC**  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET  
1718 04419 A

DATE TICKET NO. 04418A

DATE OF JOB <u>7-14-11</u> DISTRICT <u>Kansas</u>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <u>L.O. Drilling, Inc.</u>		LEASE <u>TANNER</u> WELL NO. <u>35</u>							
ADDRESS		COUNTY <u>NEES</u> <u>35-19-25</u> STATE <u>Ks.</u>							
CITY STATE		SERVICE CREW <u>Allen, Lucas, McGraw McCaskey</u>							
AUTHORIZED BY		JOB TYPE: <u>4 1/2' 2-Stage L.S</u> <u>CNW</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>28443 P4</u>	<u>3</u>					<u>7-13-11</u>	<u>7-13-11</u>	<u>AM</u>	<u>430</u>
<u>27463 P4</u>	<u>3</u>					ARRIVED AT JOB		<u>PM</u>	<u>1000</u>
<u>19832-19862</u>	<u>1 1/2</u>					START OPERATION	<u>7-13-11</u>	<u>AM</u>	<u>330</u>
<u>19959-19860</u>	<u>3</u>					FINISH OPERATION	<u>7-13-11</u>	<u>AM</u>	<u>630</u>
						RELEASED	<u>7-13-11</u>	<u>PM</u>	<u>700</u>
						MILES FROM STATION TO WELL			<u>100-mile</u>

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
<u>CC151</u>	<u>MUD Flush</u>	<u>gal</u>	<u>1000</u>		<u>\$ 860.00</u>
<u>F100</u>	<u>unit mileage charge pickup</u>	<u>mi</u>	<u>100</u>		<u>\$ 425.00</u>
<u>F101</u>	<u>Heavy Equip Mileage</u>	<u>mi</u>	<u>300</u>		<u>\$ 2100.00</u>
<u>F113</u>	<u>Bulk Delivery charge</u>	<u>Tm</u>	<u>2530</u>		<u>\$ 4048.00</u>
<u>CF205</u>	<u>Depth charge 4001-5000</u>	<u>4-hr</u>	<u>1</u>		<u>\$ 3520.00</u>
<u>CF240</u>	<u>Blending &amp; mixing service chg.</u>	<u>sk</u>	<u>555</u>		<u>\$ 777.00</u>
<u>CF202</u>	<u>Depth charge 1001-2000</u>	<u>4-hr</u>	<u>1</u>		<u>\$ 1500.00</u>
<u>CF504</u>	<u>Plug container utilization chg.</u>	<u>Job</u>	<u>1</u>		<u>\$ 250.00</u>
<u>S1003</u>	<u>Service Supervisor first 8hrs on loc</u>	<u>EA</u>	<u>1</u>		<u>\$ 175.00</u>

CHEMICAL / ACID DATA:			

SUB TOTAL		<u>ALS</u>	<u>\$ 27,593.94</u>
SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
TOTAL			

SERVICE REPRESENTATIVE <u>Allen &amp; Ward</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>Jim Mickle</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO.



# BASIC

energy services, L.P. #1 Bottom Stage

## TREATMENT REPORT

Customer <b>L.O. Drilling Inc.</b>	Lease No.	Date <b>7-14-11</b>
Lease <b>TANNER</b>	Well # <b>1-35</b>	
Field Order # <b>04718A</b>	Station <b>Pratt</b>	Casing <b>4 1/2"</b>
		Depth <b>4421</b>
Type Job <b>4 1/2" 2-Stage L.S.</b>	Formation <b>CNW</b>	County <b>Rice Nrss</b>
		State <b>KS</b>
		Legal Description <b>25-19-25</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
4 1/2"		24		531 mud flush	h			
Depth	Depth	From	To	Pro Pad	Max		5 Min.	
4421			175	5/8 60/40 por	15#			
Volume	Volume	From	To	Pad	Min		10 Min.	
68								
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
500			30	23 60/40 por	RH.			
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
PC				DISP				
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	
4421				H2O + mud				

Customer Representative <b>Jim</b>	Station Manager <b>scotty</b>	Treater <b>Allen</b>
---------------------------------------	----------------------------------	-------------------------

Service Units	28443	27463	19832	19862	19959	19860			
Driver Names	Allen	Lucas	Toff	McCasky	Mike	McGraw			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Notes
1000 pm 7-13-11					D+S. csg. Service Log Petro MARK II on loc. Discuss Safety, Setup Plan Job Rig Laying down Drill Pipe out of hole w/ O.P. Laydown Kelly Rig up to Run 4 1/2" csg. 11.6#
1230 AM 7-14-11					start 4 1/2" csg shoe joint w/ PKR shoe, L.O. Baffle in collar. cent-1-3-5-7-9-11-6"
220	1300#				Basket 65, DV on 65 @ 1669.65 Tag Bottom @ 4430 pickup + set PKR shoe @ 4421 + circ w/ Rig
			24	5	Pump 24-BBls mud flush
			3	5	Pump 3-BBls H2O
				5	mix + pump 175 str 60/40 por @ 15
			44		Finish mix, washout pump + line
				6	Drop L.O. Plug start disp.
	500#			5	caught lift PSI 45 Bbl out
400	1500#		68	4	Plug down.
	0#				Release PSI, Drop opening part
415	1100#				open DV + circ w/ Rig. Plug Rat hole w/ 30 str 60/40 por

cont.

# BASIC

energy services, L.P.

# 2

Top Stage

## TREATMENT REPORT

Customer <b>L.O. Drilling INC</b>		Lease No.		Date <b>7-14-11</b>	
Lease <b>TANNER</b>		Well # <b>1-35</b>			
Field Order # <b>04418A</b>	Station <b>Pratt</b>	Casing <b>4 1/2"</b>	Depth <b>1669.65</b>	County <b>Rice</b>	State <b>Ks</b>
Type Job <b>4 1/2" 2-Stage L.S.</b>			Formation <b>GNW</b>	Legal Description <b>T5-19-25</b>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<b>4 1/2"</b>			<b>350</b>	<b>3Ks A-GNW 12# 90L</b>			<b>5 Min.</b>	
Depth	Depth	From	To	Pre Pad	Max			
<b>1669.65</b>							<b>10 Min.</b>	
Volume	Volume	From	To	Pad.	Min			
<b>26</b>							<b>15 Min.</b>	
Max Press	Max Press	From	To	Frac	Avg			
<b>1500</b>							<b>Annulus Pressure</b>	
Well Connection	Annulus Vol.	From	To		HHP Used			
<b>PC</b>							<b>Total Load</b>	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			
<b>1669.65</b>				<b>DISP N2O</b>				

Customer Representative: **SIA** Station Manager: **SCOH** Treater: **ALLEN**

Service Units	<b>28443</b>	<b>27463</b>	<b>19832</b>	<b>19862</b>	<b>MIKE MCGRAW</b>				
Driver Names	<b>Allen</b>	<b>Lucas</b>	<b>Jeff</b>	<b>McCaska</b>	<b>19959</b>	<b>19860</b>			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<b>5:00</b>	<b>300</b>			<b>5</b>	<b>Start mix 360 SKs A-GNW @ 12#</b>
			<b>154</b>		<b>Finish mix - washout pump line</b>
			<b>0</b>	<b>5</b>	<b>Drop closing Plug for DV.</b>
					<b>start Disp.</b>
<b>6:00</b>	<b>1500</b>		<b>25.8</b>	<b>4</b>	<b>Plug down (DV closed)</b>
	<b>0</b>				<b>Release PSI OK.</b>
					<b>wash up Equip + Rack up.</b>
<b>7:00</b>					<b>Job complete.</b>

cut cir To Pit

thanks Allen Lucas Kevin McGraw McCaska

# KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 • WICHITA, KS

## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

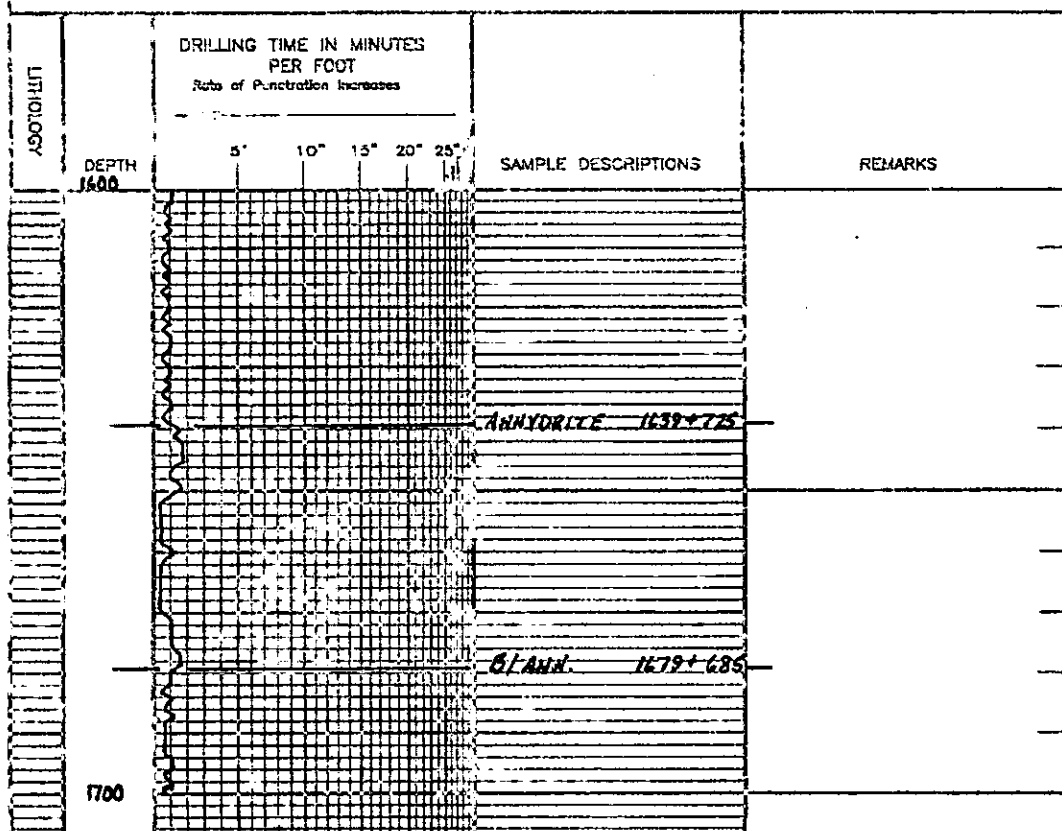
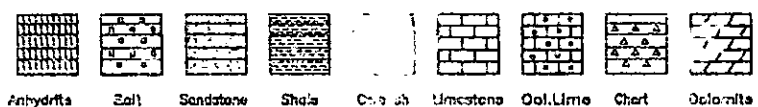
COMPANY	L. D. DRILLING, INC.	ELEVATIONS	
LEASE	21-35 TANNER	KB	2364
FIELD	WILBERT	DF	
LOCATION	2310 E. 1/4 J09L EEL	GL	2359
SEC.	35 TWP 19S RGE 25W	Measurements Are All	
COUNTY	Ness STATE Kansas	From	2364 KB
DRILL LOG	Petroleum Drilling, Rig 2	OSING	
DATE	7-6-11 TO 7-14-11	SURFACE	854' 0" 911'
DEPTH	4430	PRODUCTION	47' 0"
		ELECTRICAL SURVEYS	None
5 SAMPLES SAVED FROM	3600 TO 4430		
DRILLING TIME KEPT FROM	3500 TO 4430		
SAMPLES EXAMINED FROM	3600 TO 4430		
GEOLOGICAL SUPERVISION BY	3800 TO 4430		
GEOLOGIST ON WELL	KIM B. SHOEMAKER		
FORMATION TOPS	100	SAMPLES	
ANHYDRITE	1639 + 725		
CLAY	1671 + 685		
HEAVY	3751 + 1387		
L. SANDS	3791 + 1430		
B/LC	4154 + 1780		
MANHATTAN	4163 + 1779		
FINE SAND	4310 + 1916		
CHESSOLE	4352 + 1973		
MISSISSIPPI	4392 + 2078		
MIS. DR.	4410 + 2096		

REMARKS

7-6-11 4800  
 7-7-11 316  
 7-8-11 1880  
 7-9-11 2075  
 7-10-11 3735  
 7-11-11 4138  
 7-12-11 4350  
 7-13-11 4430  
 7-14-11 4430

API: 15-155-25271

### LEGEND



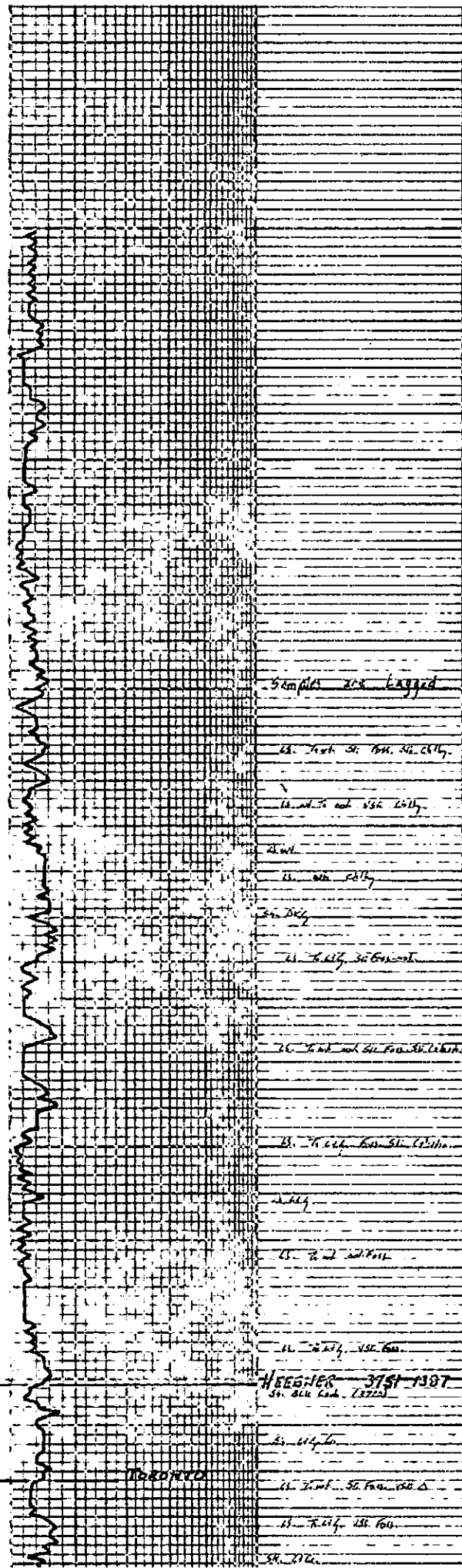
SHEET-05



3500

3600

3700



Samples are logged

18. 1/4 in. 50. 100. 50. 200.

19. 1/4 in. 50. 100. 50. 200.

20. 1/4 in.

21. 1/4 in. 50.

22. 1/4 in.

23. 1/4 in. 50. 100.

24. 1/4 in. 50. 100. 50. 200.

25. 1/4 in. 50. 100. 50. 200.

26. 1/4 in.

27. 1/4 in. 50. 100.

28. 1/4 in. 50. 100.

HEEGER 3751-387

50. 50. 50. 100. 150. 200.

29. 1/4 in.

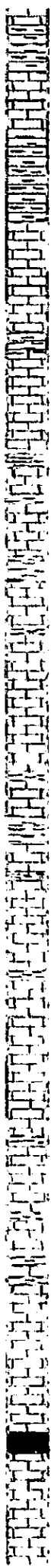
30. 1/4 in. 50. 100. 150. 200.

31. 1/4 in. 50. 100.

32. 1/4 in.

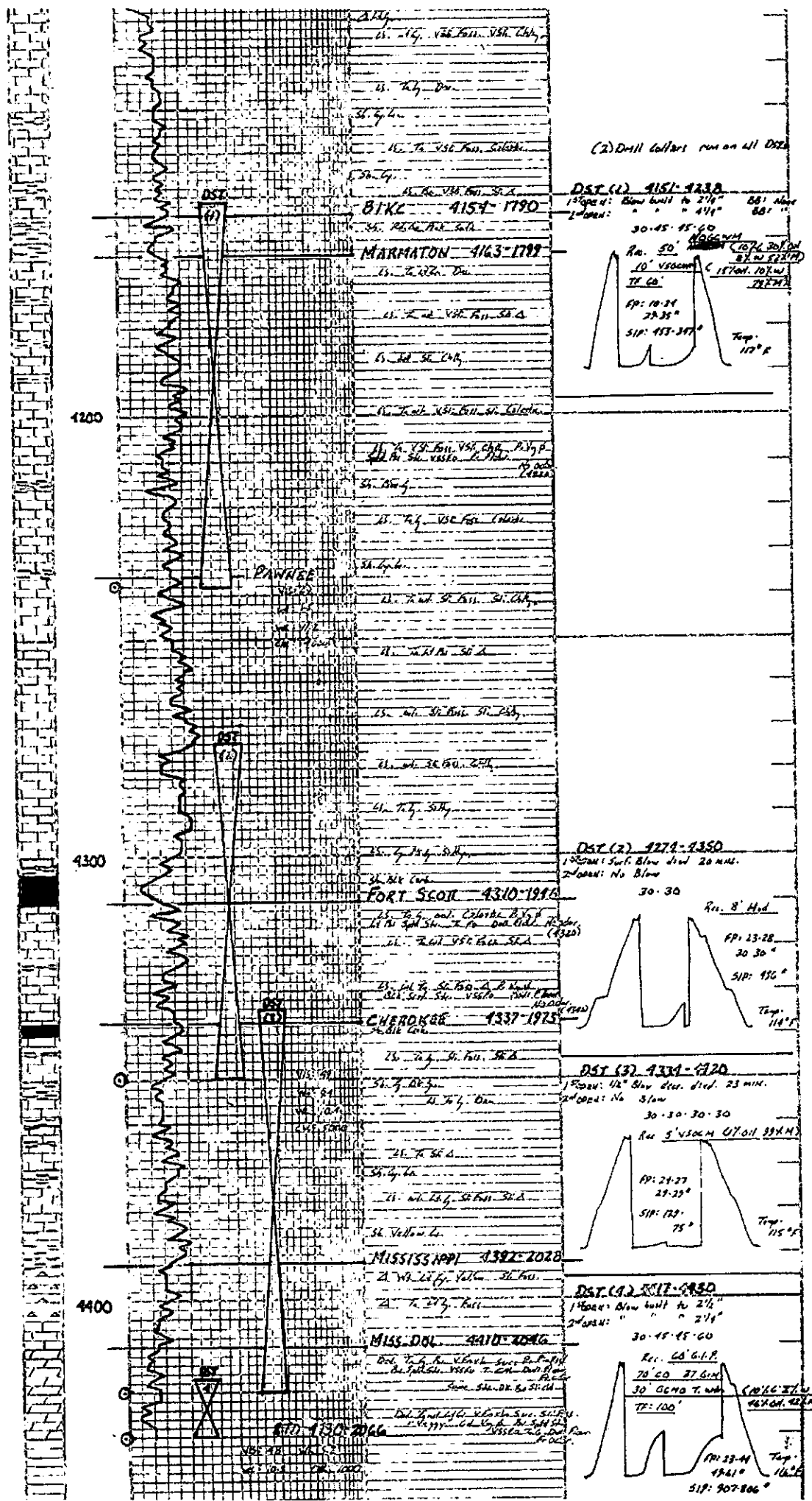
RECORDED





3800  
3100  
4000  
4100

13. T. 1/4, V. 8, R. 60  
 14. 21/2  
**LANSING 3774-1930**  
 15. 21/2  
 16. 21/2  
 17. 21/2  
 18. 21/2  
 19. 21/2  
 20. 21/2  
 21. 21/2  
 22. 21/2  
 23. 21/2  
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 49. 21/2  
 50. 21/2





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: tanner1-35dst1

TIME ON: 10:26:00  
 TIME OFF: 19:45:00

Company L.D. Drilling INC Lease & Well No. Tanner 1-35  
 Contractor Petromark Drilling Charge to L.D. Drilling INC  
 Elevation 2364 Formation Marmaton Effective Pay \_\_\_\_\_ Ft. Ticket No. S0006  
 Date 7-11-11 Sec. 35 Twp. 19 S Range 25 W County Ness State KANSAS  
 Test Approved By Kim Shoemaker Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 4151 ft. to 4238 ft. Total Depth 4238 ft.  
 Packer Depth 4146 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 4151 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4132 ft. Recorder Number 30035 Cap. 10000 P.S.I.  
 Bottom Recorder Depth (Outside) 4235 ft. Recorder Number 3851 Cap. 5700 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 51 Drill Collar Length 121 ft. I.D. 2 1/4 in.  
 Weight 9.2 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 3000 P.P.M. Drill Pipe Length 3997 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 3 / Safety Joints Test Tool Length 33 ft. Tool Size 3 1/2-FH in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 87 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak 1/2" blow increasing to 2 1/4 inch in 30 min NOBB  
 2nd Open: Weak 1/2" blow increasing to 4 1/4 inch in 45 min NOBB

Recovered 50 ft. of stl wtr gas oil cut mud 10% Gas 30% Oil 8% Wtr 52% Mud  
 Recovered 10 ft. of stl wtr oil cut mud 15% Oil 10% Wtr 75% Mud  
 Recovered 60 ft. of TOTAL FLUID

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_ Ph: 8

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_ Chlorides: 7,500 ppm Price Job \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_ Other Charges \_\_\_\_\_

Remarks: \_\_\_\_\_ Insurance \_\_\_\_\_

TOOL SAMPLE: 13% Gas 22% Oil 20% Water 45% Mud Total \_\_\_\_\_

Time Set Packer(s) 2:14 PM <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 5:14 PM <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 117

Initial Hydrostatic Pressure..... (A) 2010 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 24 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 453 P.S.I.  
 Final Flow Period..... Minutes 45 (E) 29 P.S.I. to (F) 35 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 347 P.S.I.  
 Final Hydrostatic Pressure..... (H) 2010 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

# Diamond Testing

## General information Report

### General Information

Company Name LD Drilling INC

Contact	Petromark	Job Number	S0009
Well Name	Tanner 1-35	Representative	Jacob McCallie
Unique Well ID	DST #1 Marmaton 4151' to 4238'	Well Operator	LD Drilling INC
Surface Location	SEC 35-19S-25W Ness County	Report Date	2011/07/11
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test	Start Test Time	10:26:00
Formation	DST #1 Marmaton 4151' to 4238'	Final Test Time	19:45:00
Well Fluid Type	01 Oil	Start Test Date	2011/07/11
		Final Test Date	2011/07/11
Gauge Name	30035		
Gauge Serial Number			

### Test Results

#### RECOVERED:

50'	Slt wtr gas oil mud	10% Gas	30% Oil	8% Wtr	53% Mud
10'	slt wat oil mud	15% Oil	10% Wtr	75% Mud	
60'	TOTAL FLUID				

TOOL SAMPLE: 13% Gas 22% Oil 20% Wtr 45% Mud

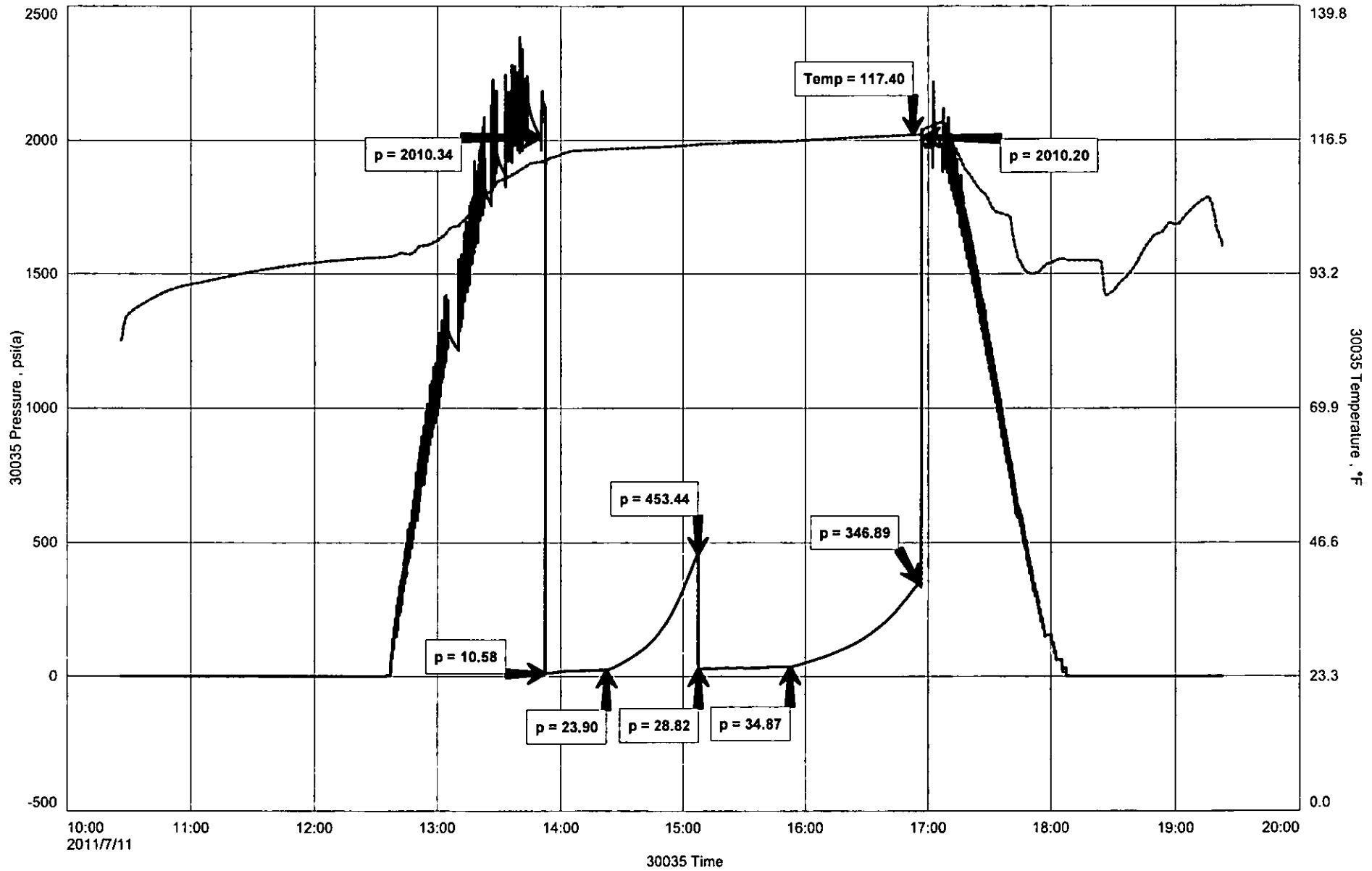
CHLORIDES: 7500 ppm  
Ph: 8



LD Drilling INC  
DST #1 Marmaton 4151' to 4238'  
Start Test Date: 2011/07/11  
Final Test Date: 2011/07/11

Tanner 1-35  
Formation: DST #1 Marmaton 4151' to 4238'  
Pool: Wildcat  
Job Number: S0009

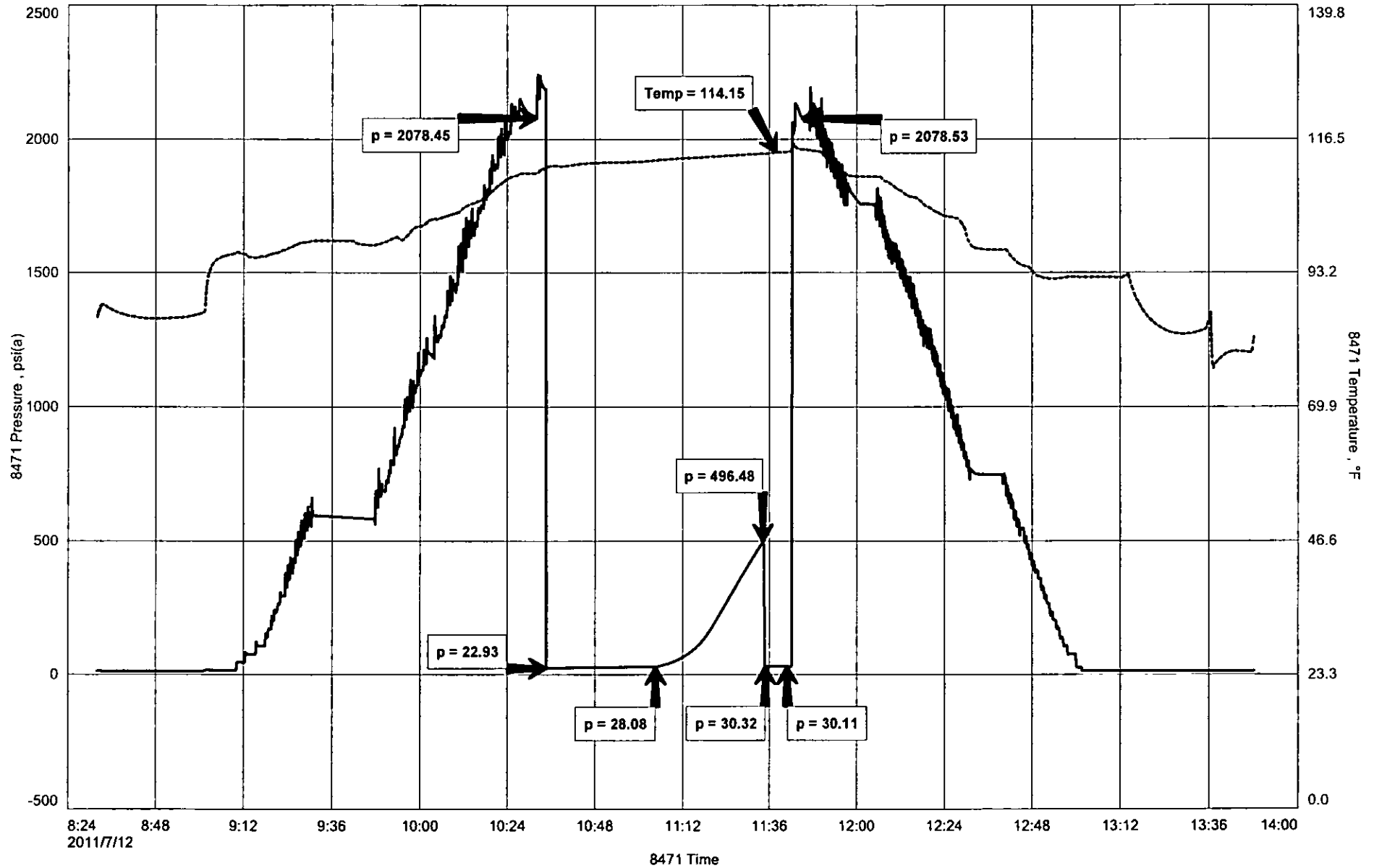
# Tanner 1-35



L.D. DRILLING, INC.  
DST #2 FT. SCOTT 4,274' - 4,350'  
Start Test Date: 2011/07/12  
Final Test Date: 2011/07/12

TANNER #1-35  
Formation: DST #2 FT. SCOTT 4,274' - 4,350'  
Pool: WILDCAT

# TANNER #1-35



# DIAMOND TESTING

## General Information Report

### General Information

Company Name L.D. DRILLING, INC.  
Contact L.D. DAVIS  
Well Name TANNER #1-35  
Unique Well ID DST #2 FT. SCOTT 4,274' - 4,350'  
Surface Location SEC 35-19S-25W NESS COUNTY, KS  
Field WILDCAT  
Well Type Vertical  
Test Type CONVENTIONAL DRILL-STEM TEST  
Formation DST #2 FT. SCOTT 4,274' - 4,350'  
Well Fluid Type 01 Oil

Representative ROGER D. FRIEDLY  
Well Operator L.D. DRILLING, INC.  
Report Date 2011/07/12  
Prepared By ROGER D. FRIEDLY  
  
Qualified By KIM SHOEMAKER

Start Test Date 2011/07/12  
Final Test Date 2011/07/12

Start Test Time 08:32:00  
Final Test Time 13:48:00

### Test Recovery:

RECOVERED: 8' DM 100% MUD

TOOL SAMPLE: 100% DM - FEW OIL SPECKS



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: TANNER135DST2

TIME ON: 08:32  
TIME OFF: 13:48

Company L.D. DRILLING, INC. Lease & Well No. TANNER #1-35  
Contractor PETROMARK RIG #2 Charge to L.D. DRILLING, INC.  
Elevation 2,364' KB Formation FT. SCOTT Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date 7.12.11 Sec. 35 Twp. 19 S Range 25 W County NESS State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 1 Interval Tested from 4,274 ft. to 4,350 ft. Total Depth 4,350 ft.  
Packer Depth 4,269 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4,274 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4,255 ft. Recorder Number 8471 Cap. 10,000 P.S.I.  
Bottom Recorder Depth (Outside) 76 ft. Recorder Number 11029 Cap. 5,025 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 49 Drill Collar Length 121 ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 5,000 P.P.M. Drill Pipe Length 4,120 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number #4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 92 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/2" BLOD DECREASING IN 20 MIN - WEAK SURFACE BLOW @ END (NObb)  
2nd Open: NO BLOW (NObb)

Recovered 8 ft. of DM 100% MUD  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
<b>TOOL SAMPLE: 100% DM - FEW OIL SPECKS</b>	Total

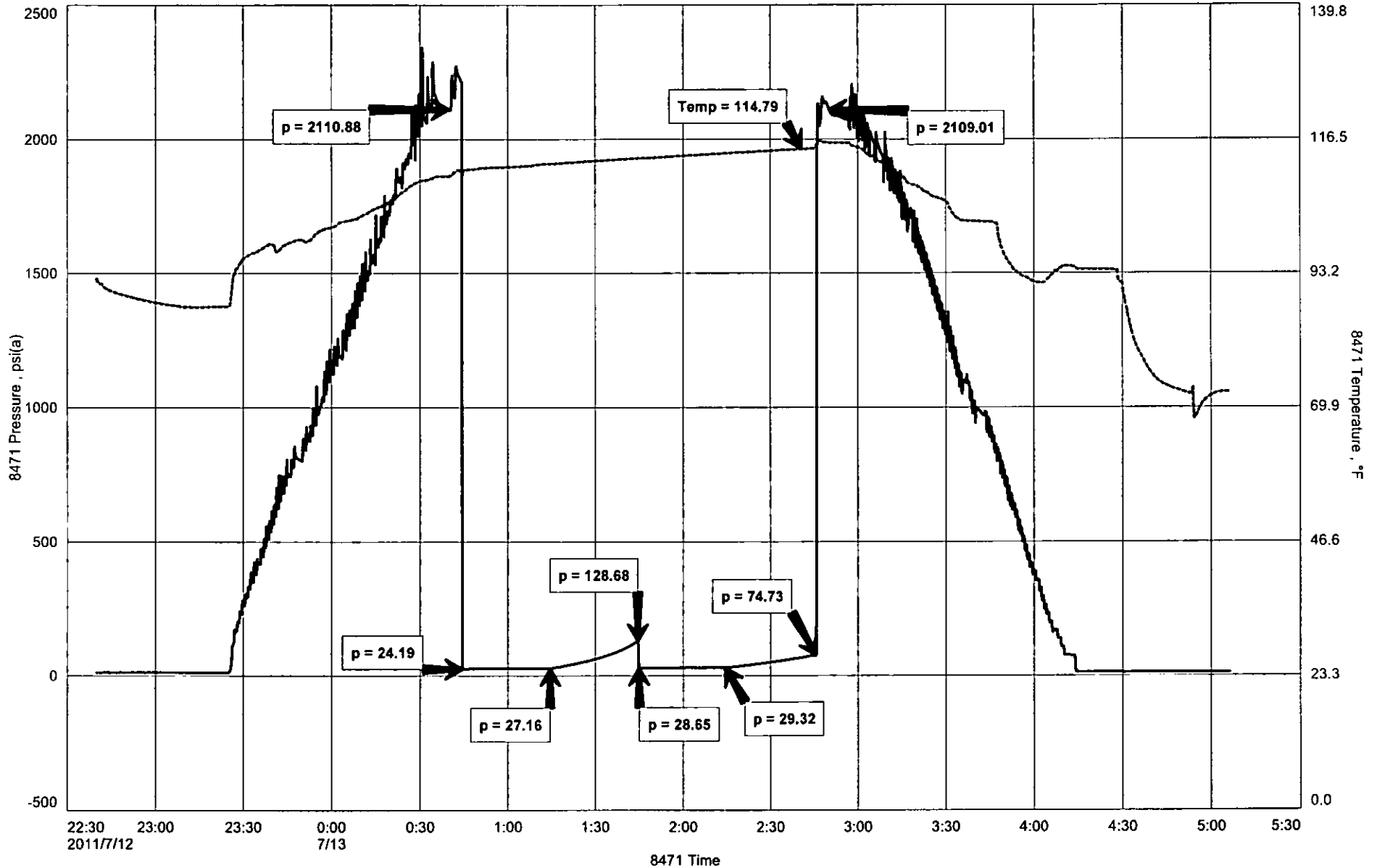
Time Set Packer(s) 10:34 A.M. P.M. Time Started Off Bottom 11:39 A.M. P.M. Maximum Temperature 114  
Initial Hydrostatic Pressure..... (A) 2,078 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 23 P.S.I. to (C) 28 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 496 P.S.I.  
Final Flow Period..... Minutes 5 (E) 30 P.S.I. to (F) 30 P.S.I.  
Final Closed In Period..... Minutes 0 (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) 2079 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

L.D. DRILLING, INC.  
DST #3 MISSISSIPPI 4,334' - 4,420'  
Start Test Date: 2011/07/12  
Final Test Date: 2011/07/13

TANNER #1-35  
Formation: DST #3 MISSISSIPPI 4,334' - 4,420'  
Pool: WILDCAT

# TANNER #1-35



# DIAMOND TESTING

## General Information Report

### General Information

Company Name L.D. DRILLING, INC.  
Contact L.D. DAVIS  
Well Name TANNER #1-35  
Unique Well ID DST #3 MISSISSIPPI 4,334' - 4,420'  
Surface Location SEC 35-19S-25W NESS COUNTY, KS  
Field WILDCAT  
Well Type Vertical  
Test Type CONVENTIONAL DRILL-STEM TEST  
Formation DST #3 MISSISSIPPI 4,334' - 4,420'  
Well Fluid Type 01 Oil

Representative ROGER D. FRIEDLY  
Well Operator L.D. DRILLING, INC.  
Report Date 2011/07/13  
Prepared By ROGER D. FRIEDLY  
Qualified By KIM SHOEMAKER

Start Test Date 2011/07/12  
Final Test Date 2011/07/13

Start Test Time 22:40:00  
Final Test Time 05:06:00

### Test Recovery:

RECOVERED: 5' SLTOCM 1% OIL, 99% MUD

TOOL SAMPLE: 2% OIL, 98% MUD



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: TANNER135DST3

TIME ON: 22:40 (7.12)  
TIME OFF: 05:06 (7.13)

Company L.D. DRILLING, INC. Lease & Well No. TANNER #1-35  
Contractor PETROMARK RIG #2 Charge to L.D. DRILLING, INC.  
Elevation 2,364' KB Formation MISSISSIPPI Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date 7.13.11 Sec. 35 Twp. \_\_\_\_\_ 19 S Range \_\_\_\_\_ 25 W County NESS State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 3 Interval Tested from 4,334 ft. to 4,420 ft. Total Depth 4,420 ft.  
Packer Depth 4,329 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4,334 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ 4,315 ft. Recorder Number 8471 Cap. 10,000 P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ 4,417 ft. Recorder Number 11029 Cap. 5,025 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 55 Drill Collar Length 121 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 5,000 P.P.M. Drill Pipe Length 4,180 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number #4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 86 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/2" BLOW DECREASING - DIED IN 23 MIN (NObb)  
2nd Open: NO BLOW (NObb)

Recovered 5 ft. of SLT OCM 1% OIL, 99% MUD  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_  
TOOL SAMPLE: 2% OIL, 98% MUD

Price Job
Other Charges
Insurance
Total

Time Set Packer(s) 12:44 A.M. P.M. Time Started Off Bottom 3:44 A.M. P.M. Maximum Temperature 115

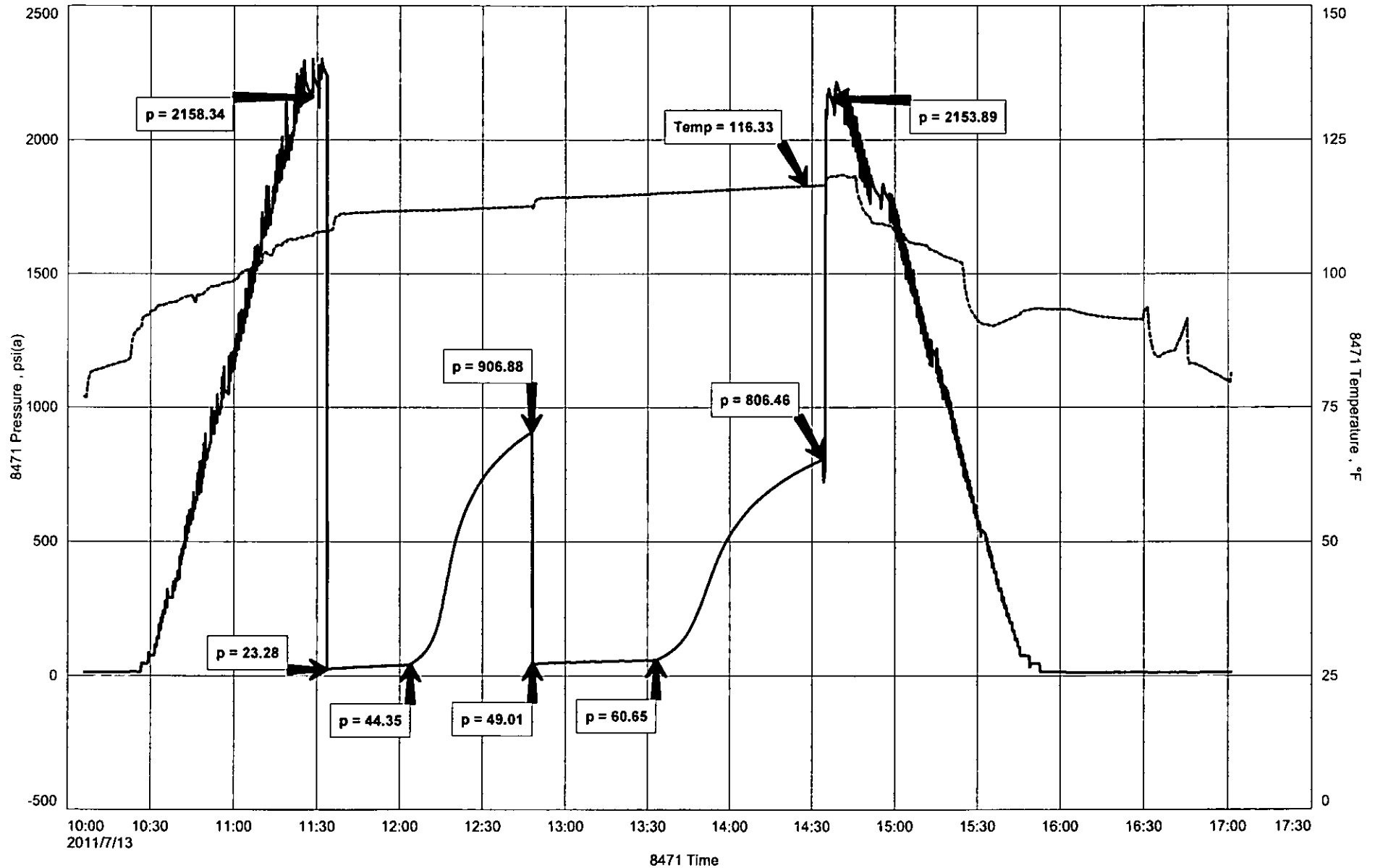
Initial Hydrostatic Pressure..... (A) 2,111 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 24 P.S.I. to (C) 27 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 129 P.S.I.  
Final Flow Period..... Minutes 30 (E) 29 P.S.I. to (F) 29 P.S.I.  
Final Closed In Period..... Minutes 30 (G) 75 P.S.I.  
Final Hydrostatic Pressure..... (H) 2,109 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, direct or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made

L.D. DRILLING, INC.  
DST #4 MISSISSIPPI 4,417' - 4,430'  
Start Test Date: 2011/07/13  
Final Test Date: 2011/07/13

TANNER #1-35  
Formation: DST #4 MISSISSIPPI 4,417' - 4,430'  
Pool: WILDCAT

# TANNER #1-35





# DIAMOND TESTING

## General Information Report

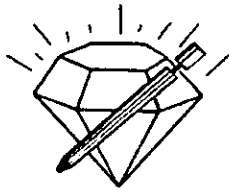
### General Information

Company Name	L.D. DRILLING, INC.	Representative	ROGER D. FRIEDLY
Contact	L.D. DAVIS	Well Operator	L.D. DRILLING, INC.
Well Name	TANNER #1-35	Report Date	2011/07/13
Unique Well ID	DST #4 MISSISSIPPI 4,417' - 4,430'	Prepared By	ROGER D. FRIEDLY
Surface Location	SEC 35-19S-25W NESS COUNTY, KS	Qualified By	KIM SHOEMAKER
Field	WILDCAT		
Well Type	Vertical		
Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #4 MISSISSIPPI 4,417' - 4,430'		
Well Fluid Type	01 Oil		
Start Test Date	2011/07/13	Start Test Time	10:06:00
Final Test Date	2011/07/13	Final Test Time	17:01:00

### Test Recovery:

RECOVERED: 60' GAS IN PIPE  
70' CLEAN OIL 37 GRAVITY @ 60 deg.  
30' SLTWTR&GCMO 10% GAS, 46% OIL, 2% WTR, 42% MUD  
100' TOTAL FLUID

TOOL SAMPLE: 4% GAS, 40% OIL, 5% WTR, 51% MUD



**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: TANNER135DST4

TIME ON: 10:06  
 TIME OFF: 17:01

Company L.D. DRILLING, INC. Lease & Well No. TANNER #1-35  
 Contractor PETROMARK RIG #2 Charge to L.D. DRILLING, INC.  
 Elevation 2,364' KB Formation MISSISSIPPI Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
 Date 7.13.11 Sec. 35 Twp. 19 S Range 25 W County NESS State KANSAS  
 Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 4 Interval Tested from 4,417 ft. to 4,430 ft. Total Depth 4,430 ft.  
 Packer Depth 4,412 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 4,417 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4,398 ft. Recorder Number 8471 Cap. 10,000 P.S.I.  
 Bottom Recorder Depth (Outside) 4,427 ft. Recorder Number 11029 Cap. 5,025 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
 Mud Type CHEMICAL Viscosity 48 Drill Collar Length 121 ft. I.D. 2 1/4 in.  
 Weight 9.2 Water Loss 10.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 7,000 P.P.M. Drill Pipe Length 4,263 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 13 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/8" BLOW INCREASING TO 2 1/2" (NObb)  
 2nd Open: WEAK SURFACE BLOW INCREASING TO 2 1/4" (NObb)

Recovered 60 ft. of GAS IN PIPE  
 Recovered 70 ft. of CLEAN OIL 37 GRAVITY @ 60 deg  
 Recovered 30 ft. of SLTWTR&GCMO 10% GAS, 46% OIL, 2% WTR, 42% MUD  
 Recovered 100 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 4% GAS, 40% OIL, 5% WTR, 51% MUD	Total

Time Set Packer(s) 11:33 A.M. P.M. Time Started Off Bottom 2:33 P.M. A.M. P.M. Maximum Temperature 116

Initial Hydrostatic Pressure..... (A) 2,158 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 23 P.S.I. to (C) 44 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 907 P.S.I.  
 Final Flow Period..... Minutes 45 (E) 49 P.S.I. to (F) 61 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 806 P.S.I.  
 Final Hydrostatic Pressure..... (H) 2,154 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made